

AMENDMENTS TO THE CLAIMS

Claims 1-37 (Canceled)

38. (New) A transgenic mouse whose genome comprises a homozygous disruption in an MC3-R gene comprising the sequence set forth in SEQ ID NO:1, wherein as a result of the disruption, the transgenic mouse exhibits, relative to a wild-type mouse, passive behavior or a decrease in attempts to escape.
39. (New) The transgenic mouse of claim 38, wherein the disruption was produced using a targeting construct comprising the sequences set forth in SEQ ID NO:3 and SEQ ID NO:4).
40. (New) A method of identifying an agent that modulates a condition associated with a disruption in a MC3-R gene comprising the sequence set forth in SEQ ID NO:1, the method comprising:
- (a) administering a putative agent to a transgenic mouse whose genome comprises a homozygous disruption in the MC3-R gene, wherein as a result of the disruption the transgenic mouse exhibits, relative to a wild-type mouse, passive behavior or a decrease in attempts to escape; and
 - (b) determining whether the agent has an effect on the passive behavior or attempts to escape in the transgenic mouse.